

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-14 (cancelled)

Claim 15 (previously presented): A purified recombinant thermostable DNA polymerase comprising the amino acid sequence set forth in Figure 3 (SEQ ID NO:3).

Claims 16-22 (cancelled)

Claim 23 (previously presented): A method for synthesizing a fluorescently labeled polynucleotide, said method comprising the step of mixing a DNA polymerase according to Claim 15 with a primed template.

Claim 24 (previously presented): The method according to Claim 23, wherein the primed template is a primed template in a chain termination sequencing reaction.

Claim 25 (previously presented): The method according to claim 23, wherein the primed template is a primed template in a polymerase chain reaction.

Claim 26 (previously presented): A kit for fluorescently labeling a polynucleotide, the kit comprising a DNA polymerase according to Claim 15 and a fluorescently labeled nucleotide.

Claim 27 (previously presented): The kit according to Claim 26, wherein the fluorescently labeled nucleotide comprises a nucleic acid terminator having a net negative or a net positive charge.

Claim 28 (previously presented): A kit for sequencing DNA comprising the DNA polymerase of Claim 15.